

~~Shawyer~~
Eyler

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/532,384

DATE: 06/09/98
TIME: 08:31:11

INPUT SET: S3102.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

1 SEQUENCE LISTING
2

3 (1) General Information:

4 (i) APPLICANT: Artavanis-Tsakonas, S. et al.

5 (ii) TITLE OF INVENTION: Therapeutic And Diagnostic Methods
6 And Compositions Based On Notch Proteins And
7 Nucleic Acids

8 (iii) NUMBER OF SEQUENCES: 21

9 (iv) CORRESPONDENCE ADDRESS:

10 (A) ADDRESSEE: Pennie & Edmonds
11 (B) STREET: 1155 Avenue of the Americas
12 (C) CITY: New York
13 (D) STATE: New York
14 (E) COUNTRY: U.S.A.
15 (F) ZIP: 10036

16 (v) COMPUTER READABLE FORM:

17 (A) MEDIUM TYPE: Floppy disk
18 (B) COMPUTER: IBM PC compatible
19 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
20 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

21 (vi) CURRENT APPLICATION DATA:

22 (A) APPLICATION NUMBER: 08/532,384
23 (B) FILING DATE:
24 (C) CLASSIFICATION:

25 (vii) PRIOR APPLICATION DATA:

26 (A) APPLICATION NUMBER: 08/083,590
27 (B) FILING DATE: 25-JUN-1993

28 (viii) ATTORNEY/AGENT INFORMATION:

29 (A) NAME: Misrock, S. Leslie
30 (B) REGISTRATION NUMBER: 18,872
31 (C) REFERENCE/DOCKET NUMBER: 7326-015

32 (ix) TELECOMMUNICATION INFORMATION:

33 (A) TELEPHONE: 212 790-9090
34 (B) TELEFAX: 212 8698864/9741
35 (C) TELEX: 66141 PENNIE

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47
 48 (2) INFORMATION FOR SEQ ID NO:1:
 49
 50 (i) SEQUENCE CHARACTERISTICS:
 51 (A) LENGTH: 2892 base pairs
 52 (B) TYPE: nucleic acid
 53 (C) STRANDEDNESS: double
 54 (D) TOPOLOGY: unknown
 55
 56 (ii) MOLECULE TYPE: cDNA
 57
 58
 59 (ix) FEATURE:
 60 (A) NAME/KEY: CDS
 61 (B) LOCATION: 142..2640
 62
 63
 64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
 65
 66 GAATTCTGGAG GAATTATTCA AAACATAAAC ACAATAAAC ATTTGAGTAG TTGCCGCACA 60
 67
 68 CACACACACA CACAGCCCCT GGATTATTAC ACTAAAAGCG ACACCTCAATC CAAAAAAATCA 120
 69
 70 GCAACAAAAAA CATCAATAAA C ATG CAT TGG ATT AAA TGT TTA TTA ACA GCA 171
 71 Met His Trp Ile Lys Cys Leu Leu Thr Ala
 72 1 5 10
 73
 74 TTC ATT TGC TTC ACA GTC ATC GTG CAG GTT CAC AGT TCC GGC AGC TTT 219
 75 Phe Ile Cys Phe Thr Val Ile Val Gln Val His Ser Ser Gly Ser Phe
 76 15 20 25
 77
 78 GAG TTG CGC CTG AAG TAC TTC AGC AAC GAT CAC GGG CGG GAC AAC GAG 267
 79 Glu Leu Arg Leu Lys Tyr Phe Ser Asn Asp His Gly Arg Asp Asn Glu
 80 30 35 40
 81
 82 GGT CGC TGC AGC GGG GAG TCG GAC GGA GCG ACG GGC AAG TGC CTG 315
 83 Gly Arg Cys Cys Ser Gly Glu Ser Asp Gly Ala Thr Gly Lys Cys Leu
 84 45 50 55
 85
 86 GGC AGC TGC AAG ACG CGG TTT CGC GTC TGC CTA AAG CAC TAC CAG GCC 363
 87 Gly Ser Cys Lys Thr Arg Phe Arg Val Cys Leu Lys His Tyr Gln Ala
 88 60 65 70
 89
 90 ACC ATC GAC ACC ACC TCC CAG TGC ACC TAC GGG GAC GTG ATC ACG CCC 411
 91 Thr Ile Asp Thr Ser Gln Cys Thr Tyr Gly Asp Val Ile Thr Pro
 92 75 80 85 90
 93
 94 ATT CTC GGC GAG AAC TCG GTC AAT CTG ACC GAC GCC CAG CGC TTC CAG 459
 95 Ile Leu Gly Glu Asn Ser Val Asn Leu Thr Asp Ala Gln Arg Phe Gln
 96 95 100 105
 97
 98 AAC AAG GGC TTC ACG AAT CCC ATC CAG TTC CCC TTC TCG TTC TCA TGG 507
 99 Asn Lys Gly Phe Thr Asn Pro Ile Gln Phe Pro Phe Ser Trp

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102	CCG GGT ACC TTC TCG CTG ATC GTC GAG GCC TGG CAT GAT ACG AAC AAT			555
103	Pro Gly Thr Phe Ser Leu Ile Val Glu Ala Trp His Asp Thr Asn Asn			
104	125	130	135	
105				
106	AGC GGC AAT GCG CGA ACC AAC AAG CTC CTC ATC CAG CGA CTC TTG GTG			603
107	Ser Gly Asn Ala Arg Thr Asn Lys Leu Leu Ile Gln Arg Leu Leu Val			
108	140	145	150	
109				
110	CAG CAG GTA CTG GAG GTG TCC TCC GAA TGG AAG ACG AAC AAG TCG GAA			651
111	Gln Gln Val Leu Glu Val Ser Ser Glu Trp Lys Thr Asn Lys Ser Glu			
112	155	160	165	170
113				
114	TCG CAG TAC ACG TCG CTG GAG TAC GAT TTC CGT GTC ACC TGC GAT CTC			699
115	Ser Gln Tyr Thr Ser Leu Glu Tyr Asp Phe Arg Val Thr Cys Asp Leu			
116	175	180	185	
117				
118	AAC TAC TAC GGA TCC GGC TGT GCC AAG TTC TGC CGG CCC CGC GAC GAT			747
119	Asn Tyr Tyr Gly Ser Gly Cys Ala Lys Phe Cys Arg Pro Arg Asp Asp			
120	190	195	200	
121				
122	TCA TTT GGA CAC TCG ACT TGC TCG GAG ACG GGC GAA ATT ATC TGT TTG			795
123	Ser Phe Gly His Ser Thr Cys Ser Glu Thr Gly Glu Ile Ile Cys Leu			
124	205	210	215	
125				
126	ACC GGA TGG CAG GGC GAT TAC TGT CAC ATA CCC AAA TGC GCC AAA GGC			843
127	Thr Gly Trp Gln Gly Asp Tyr Cys His Ile Pro Lys Cys Ala Lys Gly			
128	220	225	230	
129				
130	TGT GAA CAT GGA CAT TGC GAC AAA CCC AAT CAA TGC GTT TGC CAA CTG			891
131	Cys Glu His Gly His Cys Asp Lys Pro Asn Gln Cys Val Cys Gln Leu			
132	235	240	245	250
133				
134	GGC TGG AAG GGA GCC TTG TGC AAC GAG TGC GTT CTG GAA CCG AAC TGC			939
135	Gly Trp Lys Gly Ala Leu Cys Asn Glu Cys Val Leu Glu Pro Asn Cys			
136	255	260	265	
137				
138	ATC CAT GGC ACC TGC AAC AAA CCC TGG ACT TGC ATC TGC AAC GAG GGT			987
139	Ile His Gly Thr Cys Asn Lys Pro Trp Thr Cys Ile Cys Asn Glu Gly			
140	270	275	280	
141				
142	TGG GGA GGC TTG TAC TGC AAC CAG GAT CTG AAC TAC TGC ACC AAC CAC			1035
143	Trp Gly Gly Leu Tyr Cys Asn Gln Asp Leu Asn Tyr Cys Thr Asn His			
144	285	290	295	
145				
146	AGA CCC TGC AAG AAT GGC GGA ACC TGC TTC AAC ACC GGC GAG GGA TTG			1083
147	Arg Pro Cys Lys Asn Gly Thr Cys Phe Asn Thr Gly Glu Gly Leu			
148	300	305	310	
149				
150	TAC ACA TGC AAA TGC GCT CCA GGA TAC AGT GGT GAT GAT TGC GAA AAT			1131
151	Tyr Thr Cys Lys Cys Ala Pro Gly Tyr Ser Gly Asp Asp Cys Glu Asn			
152	315	320	325	330

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153	GAG ATC TAC TCC TGC GAT GCC GAT GTC AAT CCC TGC CAG AAT GGT GGT	1179
154	Glu Ile Tyr Ser Cys Asp Ala Asp Val Asn Pro Cys Gln Asn Gly Gly	
155	335 340 345	
157		
158	ACC TGC ATC GAT GAG CCG CAC ACA AAA ACC GGC TAC AAG TGT CAT TGC	1227
159	Thr Cys Ile Asp Glu Pro His Thr Lys Thr Gly Tyr Lys Cys His Cys	
160	350 355 360	
161		
162	GCC AAC GGC TGG AGC GGA AAG ATG TGC GAG GAG AAA GTG CTC ACG TGT	1275
163	Ala Asn Gly Trp Ser Gly Lys Met Cys Glu Lys Val Leu Thr Cys	
164	365 370 375	
165		
166	TCG GAC AAA CCC TGT CAT CAG GGA ATC TGC CGC AAC GTT CGT CCT GGC	1323
167	Ser Asp Lys Pro Cys His Gln Gly Ile Cys Arg Asn Val Arg Pro Gly	
168	380 385 390	
169		
170	TTG GGA AGC AAG GGT CAG GGC TAC CAG TGC GAA TGT CCC ATT GGC TAC	1371
171	Leu Gly Ser Lys Gly Gln Gly Tyr Gln Cys Glu Cys Pro Ile Gly Tyr	
172	395 400 405 410	
173		
174	AGC GGA CCC AAC TGC GAT CTC CAG CTG GAC AAC TGC AGT CCG AAT CCA	1419
175	Ser Gly Pro Asn Cys Asp Leu Gln Leu Asp Asn Cys Ser Pro Asn Pro	
176	415 420 425	
177		
178	TGC ATA AAC GGT GGA AGC TGT CAG CCG AGC GGA AAG TGT ATT TGC CCA	1467
179	Cys Ile Asn Gly Ser Cys Gln Pro Ser Gly Lys Cys Ile Cys Pro	
180	430 435 440	
181		
182	GCG GGA TTT TCG GGA ACG AGA TGC GAG ACC AAC ATT GAC GAT TGT CTT	1515
183	Ala Gly Phe Ser Gly Thr Arg Cys Glu Thr Asn Ile Asp Asp Cys Leu	
184	445 450 455	
185		
186	GGC CAC CAG TGC GAG AAC GGA GGC ACC TGC ATA GAT ATG GTC AAC CAA	1563
187	Gly His Gln Cys Glu Asn Gly Gly Thr Cys Ile Asp Met Val Asn Gln	
188	460 465 470	
189		
190	TAT CGC TGC CAA TGC GTT CCC GGT TTC CAT GGC ACC CAC TGT AGT AGC	1611
191	Tyr Arg Cys Gln Cys Val Pro Gly Phe His Gly Thr His Cys Ser Ser	
192	475 480 485 490	
193		
194	AAA GTT GAC TTG TGC CTC ATC AGA CCG TGT GCC AAT GGA GGA ACC TGC	1659
195	Lys Val Asp Leu Cys Leu Ile Arg Pro Cys Ala Asn Gly Gly Thr Cys	
196	495 500 505	
197		
198	TTG AAT CTC AAC AAC GAT TAC CAG TGC ACC TGT CGT GCG GGA TTT ACT	1707
199	Leu Asn Leu Asn Asn Asp Tyr Gln Cys Thr Cys Arg Ala Gly Phe Thr	
200	510 515 520	
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202	GGC AAG GAT TGC TCT GTG GAC ATC GAT GAG TGC AGC AGT GGA CCC TGT	1755
203	Gly Lys Asp Cys Ser Val Asp Ile Asp Glu Cys Ser Ser Gly Pro Cys	
204	525 530 535	
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206	CAT AAC GGC GGC ACT TGC ATG AAC CGC GTC AAT TCG TTC GAA TGC GTG	1803
207	His Asn Gly Gly Thr Cys Met Asn Arg Val Asn Ser Phe Glu Cys Val	
208	540 545 550	
209		
210	TGT GCC AAT GGT TTC AGG GGC AAG CAG TGC GAT GAG GAG TCC TAC GAT	1851
211	Cys Ala Asn Gly Phe Arg Gly Lys Gln Cys Asp Glu Glu Ser Tyr Asp	
212	555 560 565 570	
213		
214	TCG GTG ACC TTC GAT GCC CAC CAA TAT GGA GCG ACC ACA CAA GCG AGA	1899
215	Ser Val Thr Phe Asp Ala His Gln Tyr Gly Ala Thr Thr Gln Ala Arg	
216	575 580 585	
217		
218	GCC GAT GGT TTG ACC AAT GCC CAG GTA GTC CTA ATT GCT GTT TTC TCC	1947
219	Ala Asp Gly Leu Thr Asn Ala Gln Val Val Leu Ile Ala Val Phe Ser	
220	590 595 600	
221		
222	GTT GCG ATG CCT TTG GTG GCG GTT ATT GCG GCG TGC GTG GTC TTC TGC	1995
223	Val Ala Met Pro Leu Val Ala Val Ile Ala Ala Cys Val Val Phe Cys	
224	605 610 615	
225		
226	ATG AAG CGC AAG CGT AAG CGT GCT CAG GAA AAG GAC GAC GCG GAG GCC	2043
227	Met Lys Arg Lys Arg Ala Gln Glu Lys Asp Asp Ala Glu Ala	
228	620 625 630	
229		
230	AGG AAG CAG AAC GAA CAG AAT GCG GTG GCC ACA ATG CAT CAC AAT GGC	2091
231	Arg Lys Gln Asn Glu Gln Asn Ala Val Ala Thr Met His His Asn Gly	
232	635 640 645 650	
233		
234	AGT GGG GTG GGT GTA GCT TTG GCT TCA GCC TCT CTG GGC GGC AAA ACT	2139
235	Ser Gly Val Gly Val Ala Leu Ala Ser Ala Ser Leu Gly Gly Lys Thr	
236	655 660 665	
237		
238	GGC AGC AAC AGC GGT CTC ACC TTC GAT GGC GGC AAC CCG AAT ATC ATC	2187
239	Gly Ser Asn Ser Gly Leu Thr Phe Asp Gly Gly Asn Pro Asn Ile Ile	
240	670 675 680	
241		
242	AAA AAC ACC TGG GAC AAG TCG GTC AAC AAC ATT TGT GCC TCA GCA GCA	2235
243	Lys Asn Thr Trp Asp Lys Ser Val Asn Asn Ile Cys Ala Ser Ala Ala	
244	685 690 695	
245		
246	GCA GCG GCG GCG GCA GCA GCG GCG GAC GAG TGT CTC ATG TAC GGC	2283
247	Ala Ala Ala Ala Ala Ala Ala Asp Glu Cys Leu Met Tyr Gly	
248	700 705 710	
249		
250	GGA TAT GTG GCC TCG GTG GCG GAT AAC AAC AAT GCC AAC TCA GAC TTT	2331
251	Gly Tyr Val Ala Ser Val Ala Asp Asn Asn Ala Asn Ser Asp Phe	
252	715 720 725 730	
253		
254	TGT GTG GCT CCG CTA CAA AGA GCC AAG TCG CAA AAG CAA CTC AAC ACC	2379
255	Cys Val Ala Pro Leu Gln Arg Ala Lys Ser Gln Lys Gln Leu Asn Thr	
256	735 740 745	
257		
258	GAT CCC ACG CTC ATG CAC CGC GGT TCG CCG GCA GGC AGC TCA GCC AAG	2427

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SEQUENCE VERIFICATION REPORT
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